

RECEIVED
CENTRAL FAX CENTER

SEP 19 2005

Appn. Number 10/719,744 (Watson) GAU 3683 Amnt A. contd. 2

cement, and pressure-sensitive-adhesive, or mechanical fasteners, such as screws and spring-clips, could be used to affix the flexure system 200 to the stationary post 100 or to the movable mount 300.

Claims: Cancel all claims of record and substitute claims 15 to 26 as follows.

15. A flexural pivot device, comprising:

a stationary member having a first and second surfaces,

a rotate-able member having a surface,

a first flexible member affixed between and tangent to both said first surface of said stationary member and said surface of said rotate-able member such that said first flexible member is preloaded in a curved form with an approximate center of curvature above said first surface of said stationary member, and

a second flexible member affixed between and tangent to both said second surface of said stationary member and said surface of said rotate-able member such that said second flexible member is preloaded in a curved form with an approximate center of curvature above said second surface of said stationary member.

16. A flexural pivot device of claim 15, wherein the first and second flexible members are made of a material selected from the group consisting of ceramics, semiconductors and plastic resins.

17. A flexural pivot device of claim 15, wherein the first flexible member is formed integral with the second flexural member with a substantially planar form contiguous through the first flexible member, second flexible member and connecting region.

Appn. Number 10/719,744 (Watson) GAU 3683 Amnt A. contd. 3

18. A flexural pivot device of claim 15, wherein the first flexible member is affixed to the stationary member by a spot welding method selected from the group consisting of resistance, laser, ultrasonic, and radio-frequency.
19. A flexural pivot device of claim 16, wherein the first flexible member is formed integral with the stationary member.
20. A flexural pivot device of claim 16, wherein the first flexible member is formed integral with the rotate-able member.
21. A flexural pivot device, comprising:
a stationary member having a surface,
a rotate-able member having a first and second surfaces,
a first flexible member affixed between and tangent to both said surface of said stationary member and said first surface of said rotate-able member such that said first flexible member is preloaded in a curved form with an approximate center of curvature above said first surface of said rotate-able member, and
a second flexible member affixed between and tangent to both said surface of said stationary member and said second surface of said rotate-able member such that said second flexible member is preloaded in a curved form with an approximate center of curvature above said second surface of said rotate-able member.
22. A flexural pivot device of claim 21, wherein the first and second flexible members are made of a material selected from the group consisting of ceramics, semiconductors and plastic resins.
23. A flexural pivot device of claim 21, wherein the first flexible member is formed integral with the second flexural member with a substantially planar form